

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Canceled)
2. (Currently Amended) A camera according to claim 1, comprising:
an image-capturing element that captures a subject image through a
photographic lens;
a first filter device that removes a frequency component equal to or lower than
a first frequency from image-capturing signals obtained at pixels corresponding to a focus
area of the image-capturing element;
a second filter device that removes from the image-capturing signals a
frequency component equal to or lower than a second frequency which is higher than the first
frequency;
a lens drive signal generation device that generates a lens drive signal used to
move a focus lens;
an evaluation value calculation device that calculates integrating values of first
image-capturing signals from which the frequency component has been removed at the first
filter device and integrating values of second image-capturing signals from which the
frequency component has been removed at the second filter device, each in correspondence to
a predefined position of the focus lens;
a lens position calculation device that calculates a focus match lens position
based upon one of a set of the integrating values of the first image-capturing signals and a set
of the integrating values of the second image-capturing signals calculated by the evaluation
value calculation device; and

a determination device that makes a true/false decision with regard to a focus match position, calculated by the lens position calculation device, based upon a change manifested by the integrating values of the first image-capturing signals and a change manifested by the integrating values of the second image-capturing signals between predefined positions taken by the focus lens, wherein:

the determination device determines that the focus match position, calculated by the lens position calculation device is a true focus match position when a ratio between;

(a) the change manifested by the integrating values of the first image-capturing signals between a first lens position corresponding to a largest value among the integrating values of the first image-capturing signals and a second lens position next to the first lens position and

(b) the change manifested by the integrating values of the second image-capturing signals between the first lens position and the second lens position is equal to or greater than a preset determination threshold value.

3. (Currently Amended) A camera ~~according to claim 1~~, comprising:

an image-capturing element that captures a subject image through a photographic lens;

a first filter device that removes a frequency component equal to or lower than a first frequency from image-capturing signals obtained at pixels corresponding to a focus area of the image-capturing element;

a second filter device that removes from the image-capturing signals a frequency component equal to or lower than a second frequency which is higher than the first frequency;

a lens drive signal generation device that generates a lens drive signal used to move a focus lens;

an evaluation value calculation device that calculates integrating values of first image-capturing signals from which the frequency component has been removed at the first filter device and integrating values of second image-capturing signals from which the frequency component has been removed at the second filter device, each in correspondence to a predefined position of the focus lens;

a lens position calculation device that calculates a focus match lens position based upon one of a set of the integrating values of the first image-capturing signals and a set of the integrating values of the second image-capturing signals calculated by the evaluation value calculation device; and

a determination device that makes a true/false decision with regard to a focus match position, calculated by the lens position calculation device, based upon a change manifested by the integrating values of the first image-capturing signals and a change manifested by the integrating values of the second image-capturing signals between predefined positions taken by the focus lens, wherein:

the determination device determines that the focus match position calculated by the lens position calculation device is a true focus match position when (A) the change manifested by the integrating values of the first image-capturing signals between a first lens position corresponding to a largest value among the integrating values of the first image-capturing signals and a second lens position next to the first lens position indicates a value equal to or greater than a predetermined value and (B) a ratio of the change manifested by the integrating values of the first image-capturing signals between the first lens position and the second lens position and the change manifested by the integrating values of the second image-capturing signals between the first lens position and the second lens position is equal to or greater than a preset determination threshold value.

4. (Currently Amended) A camera ~~according to claim 1, comprising:~~

an image-capturing element that captures a subject image through a photographic lens;

a first filter device that removes a frequency component equal to or lower than a first frequency from image-capturing signals obtained at pixels corresponding to a focus area of the image-capturing element;

a second filter device that removes from the image-capturing signals a frequency component equal to or lower than a second frequency which is higher than the first frequency;

a lens drive signal generation device that generates a lens drive signal used to move a focus lens;

an evaluation value calculation device that calculates integrating values of first image-capturing signals from which the frequency component has been removed at the first filter device and integrating values of second image-capturing signals from which the frequency component has been removed at the second filter device, each in correspondence to a predefined position of the focus lens;

a lens position calculation device that calculates a focus match lens position based upon one of a set of the integrating values of the first image-capturing signals and a set of the integrating values of the second image-capturing signals calculated by the evaluation value calculation device; and

a determination device that makes a true/false decision with regard to a focus match position, calculated by the lens position calculation device, based upon a change manifested by the integrating values of the first image-capturing signals and a change manifested by the integrating values of the second image-capturing signals between predefined positions taken by the focus lens, wherein:

the determination device judges that the focus match position calculated by the lens position calculation device is a false focus match position when (1) the change manifested by the integrating values of the first image-capturing signals between a first lens position corresponding to a largest value among the integrating values of the first image-capturing signals and a second lens position next to the first lens position indicates a value smaller than a first predetermined value and (2) the change manifested by the integrating values of the first image-capturing signals between the second lens position and a third lens position next to the second lens position indicates a value smaller than a second predetermined value which is greater than the first predetermined value.

5. (Original) A camera according to claim 2, wherein:

the first lens position corresponds to a closeup end of a range over which the focus lens is allowed to move.

6. (Original) A camera according to claim 3, wherein:

the first lens position corresponds to a closeup end of a range over which the focus lens is allowed to move.

7. (Original) A camera according to claim 4, wherein:

the first lens position corresponds to a closeup end of a range over which the focus lens is allowed to move.